

KEY TO SPECIES.

Hairs from the areoles of young plants long and white, long-persistent; plant low . . . 194. *O. orbiculata*  
Hairs from the areoles of young joints of old plants early deciduous; plant tall . . . 195. *O. pilifera*

194. *Opuntia orbiculata* Salm-Dyck in Pfeiffer, Enum. Cact. 156. 1837.

*Opuntia crinifera* Salm-Dyck in Pfeiffer, Enum. Cact. 157. 1837.

*Opuntia crinifera lanigera* Pfeiffer, Enum. Cact. 157. 1837.

*Opuntia lanigera* Salm-Dyck, Cact. Hort. Dyck. 1849. 65. 1850.

A plant without a very definite trunk, about 1 meter high, often broader than high; joints green or bluish green, orbicular to obovate, sometimes spatulate, about 15 cm. long; leaves subulate, 2 to 3 mm. long; areoles small, in seedlings and young plants producing long white hairs or wool long-persistent; spines acicular, several, yellow; flowers yellow.

*Type locality:* Cited as Brazil, but undoubtedly by error.

*Distribution:* Northern Mexico.

*Opuntia senilis* Parmentier is given by Pfeiffer (Enum. Cact. 157. 1837) as a synonym of *O. crinifera*, and *O. pintadera* by Salm-Dyck (Cact. Hort. Dyck. 1844. 47. 1845) as a synonym of *O. lanigera*. They doubtless both belong here.

*Opuntia metternichii* Piccioli (Salm-Dyck, Cact. Hort. Dyck. 1844. 46. 1845) and *O. orbiculata metternichii* Salm-Dyck (Cact. Hort. Dyck. 1849. 68. 1850), names without descriptions, doubtless belong here.

We have studied living plants sent from the Berlin Botanical Garden as *O. crinifera* and from the Botanical Garden of Santiago, Chile, as *O. orbiculata*; the plant is not native in Chile.

*Illustration:* Monatschr. Kakteenk. 11: 155, as *Opuntia lanigera*.

Figure 215 represents joints of a plant sent from the Berlin Botanical Garden in 1902.



FIG. 215.—*Opuntia orbiculata*. X0.66.